

ABSTRACT OF THE DISCLOSURE

A luminaire comprising a light transmissive optical element, a plurality of light sources, a light source support structure, and a light reflective surface. The light transmissive optical element, which preferably is a quasi-toroidal light transforming collector, is spaced from and disposed about an axis. The plural light sources are disposed radially outwardly of the optical element relative to the axis, to produce a corresponding plurality of light beams. Each light source directs its light beam toward the optical element. The optical element is shaped and adapted to collect and transform the light beams and pass them in the direction of the axis. The light reflective surface, which preferably is a curved conical collimating combiner, is spaced from the optical element, and is disposed along the axis. The light reflective surface is optically shaped to redirect along the axis and combine the plurality of light beams passed by the optical element to produce a collimated beam of light from the re-directed plurality of light beams.

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